

ABSTRACT

5 A process for producing lipids containing
arachidonic acid comprising culturing a microorganism in
which ω 3 desaturase activity has been decreased or is
lacking at a temperature lower than the optimum growth
temperature from the start of culturing or after
culturing at the optimum growth temperature, said
microorganism being obtained by the mutation treatment of
10 a microorganism capable of producing arachidonic acid and
belonging to the genus Mortierella and the like; and then
recovering lipids containing arachidonic acid from the
culture.